

Abstract

The invention relates to a fuel injector for injecting fuel into a combustion chamber (30) of an internal combustion engine, having an injector body (2) and a nozzle holder (3), in which nozzle holder an injection valve member (5) is movably received, which injection valve member has a seat (28) that opens or closes injection openings (29), and the injection valve member (5) is actuatable via a piezoelectric actuator (9), characterized in that the piezoelectric actuator (9) actuates a first booster piston (11), in which a second booster piston (19), connected to the injection valve member (5), is guided.